

A white Tesla Semi electric truck is shown from a side profile, parked on a dark, textured surface. The truck has a large, aerodynamic cab and a long, white trailer. The background features a blue sky with light clouds and distant mountains. The entire image has a heavy, dark, textured overlay, possibly representing rain or a digital effect.

## **ELECTRIC VEHICLE UPDATE & I-15 TRUCK PARKING PROJECT**

# ELECTRIC DELIVERY TRUCKS



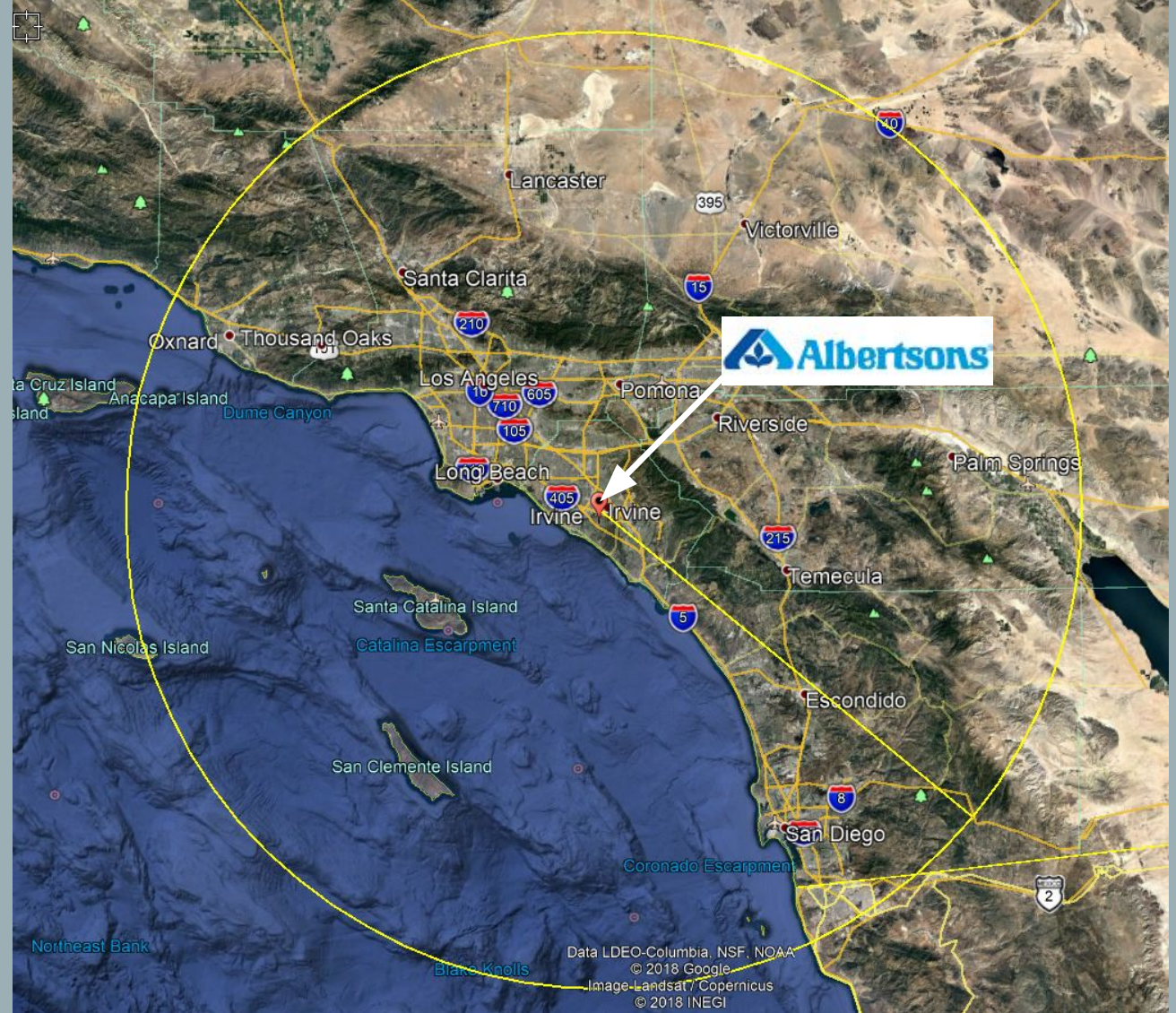


# ELECTRIC SEMI-TRUCKS



## ELECTRIC SEMI-TRUCK

- Distribution Centers
- Drayage
- Short haul





# DIESEL SEMI-TRUCKS



# HOURS OF SERVICE REGULATIONS

11-Hour Driving Limit

14-Ho  
ur  
Limit

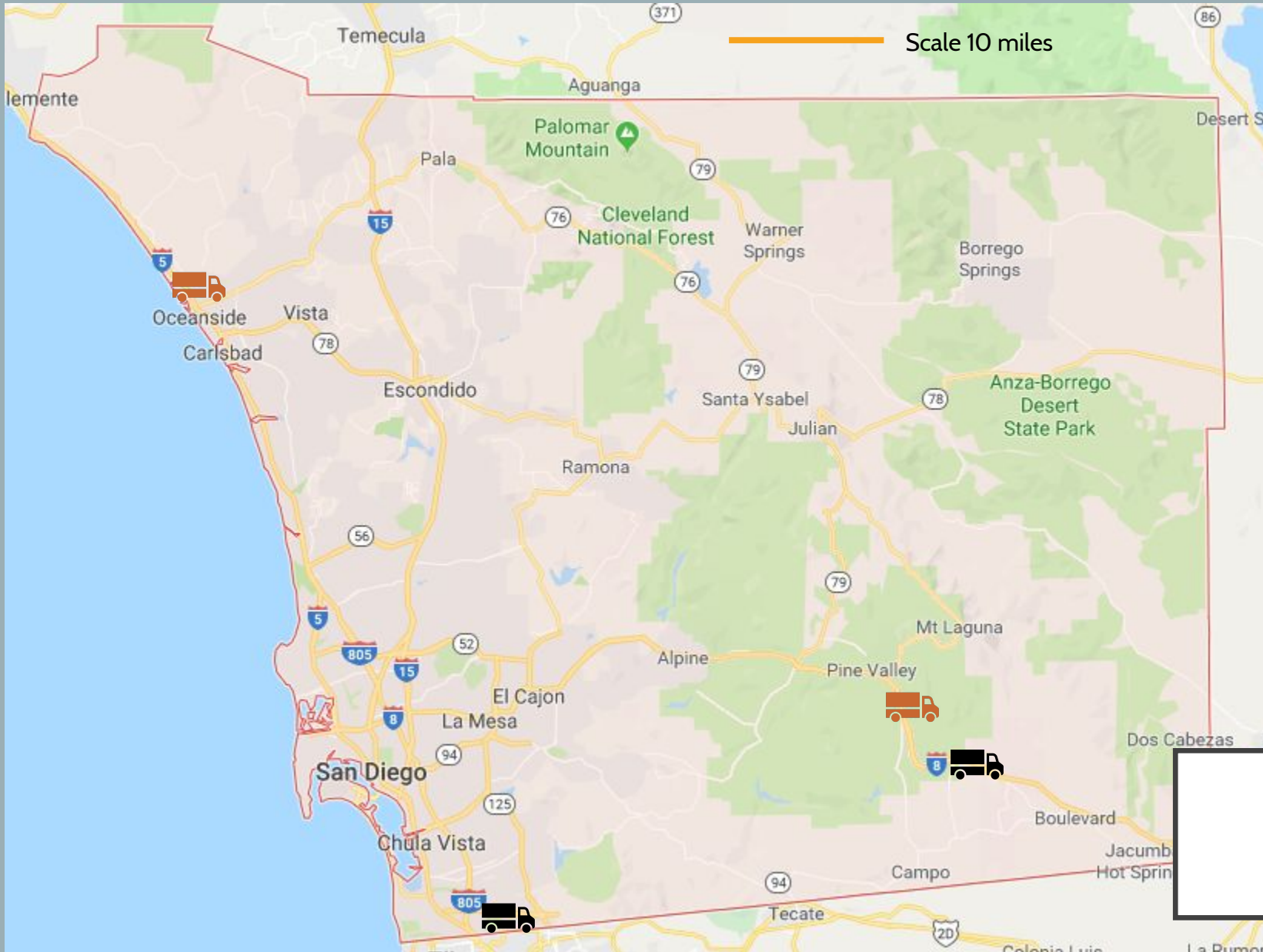
Rest  
Breaks

10-Hour  
Driving  
Limit

**60/70  
Hour  
Limit**

**Sleeper  
Berth  
Provision**

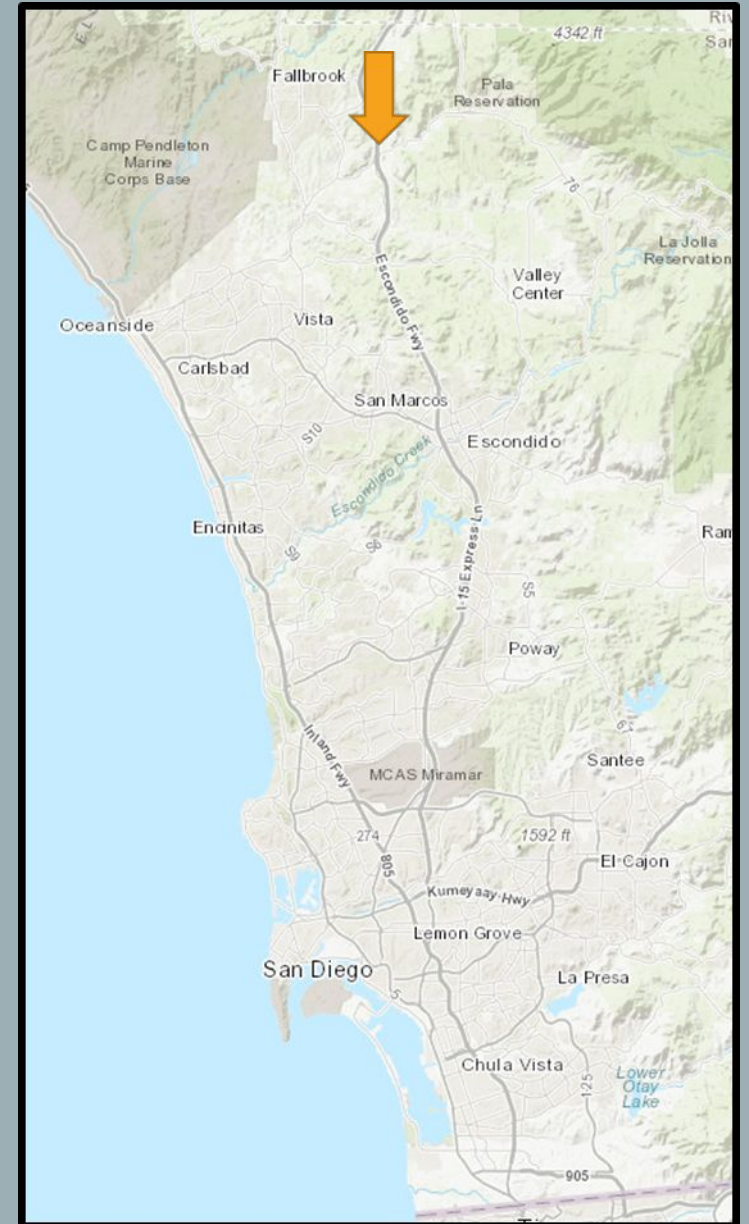
*15-Hour  
Limit*



TRUCK PARKING



# INTERSTATE 15





# INTERSTATE 15/STATE ROUTE 76 TRUCK PARKING



## NEXT STEPS - IDLE REDUCTION

### Truck Stop Electrification (TSE)

- Operates independently of the truck's engine and allows the engine to be turned off.
- Provides electrical power to operate heating, cooling, on-board equipment (TVs, computers, CPAP machines, etc.)
- Assists drivers in adhering to Federal Hours of Service Regulations





## NEXT STEPS - IDLE REDUCTION



### Truck Stop Electrification (TSE)

- Decreases fuel costs - Idling a truck wastes around one gallon of fuel per hour.
- Decreases engine wear – Idling can cause twice the wear on internal parts compared to driving at highway speeds
- Decreases emissions - Each gallon of fuel burned emits about 20 pounds of carbon dioxide.

## NEXT STEPS - IDLE REDUCTION



No special equipment  
required!





## NEXT STEPS - POTENTIAL PROJECTS



### San Diego Gas & Electric's Medium-Duty Electric Vehicle Charging Infrastructure Program

- Provides electric vehicle charging infrastructure to support FHWA Class 2 through Class 8 vehicles.
- Provides infrastructure to support electric transport refrigeration units (eTRUs).
- Application filed with the CPUC includes Otay Mesa East Port of Entry as a potential location.

# CONTINUING EFFORT

